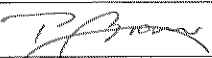

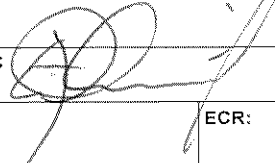


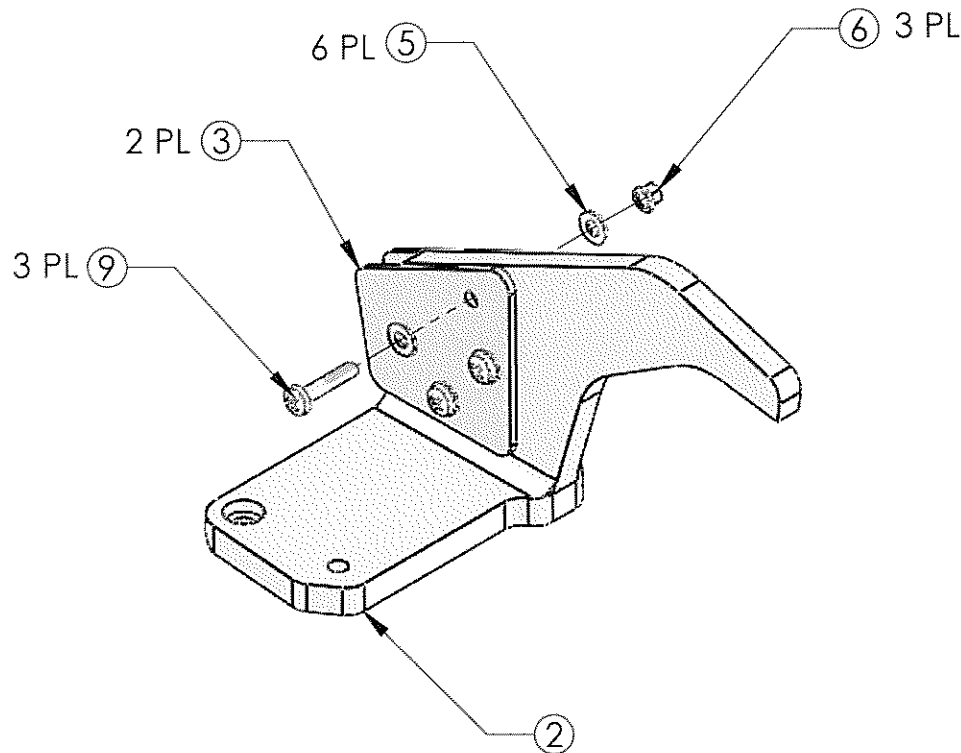
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04043				SHEET 1 OF 1	
	DWG NO. 647.1600	REV: N/C	PREPARED BY J. BAINI	DATE: 08/09/13	EFFECT ON DWG <input checked="" type="checkbox"/> INC. <input type="checkbox"/> UNINC.	
	DWG TITLE: WIPER DEFLECTOR ASSY					
	APPROVED BY:	ENGR 	MFG 	QC 	EFF: NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: MARKED INSPECTION DIMENSIONS				ECR:	
<h1>Superceded</h1>						
DOCUMENTS EFFECTED:			CHANGE CATEGORY		DER REVIEW REQUIRED	
<input type="checkbox"/> RFMS <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM			<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

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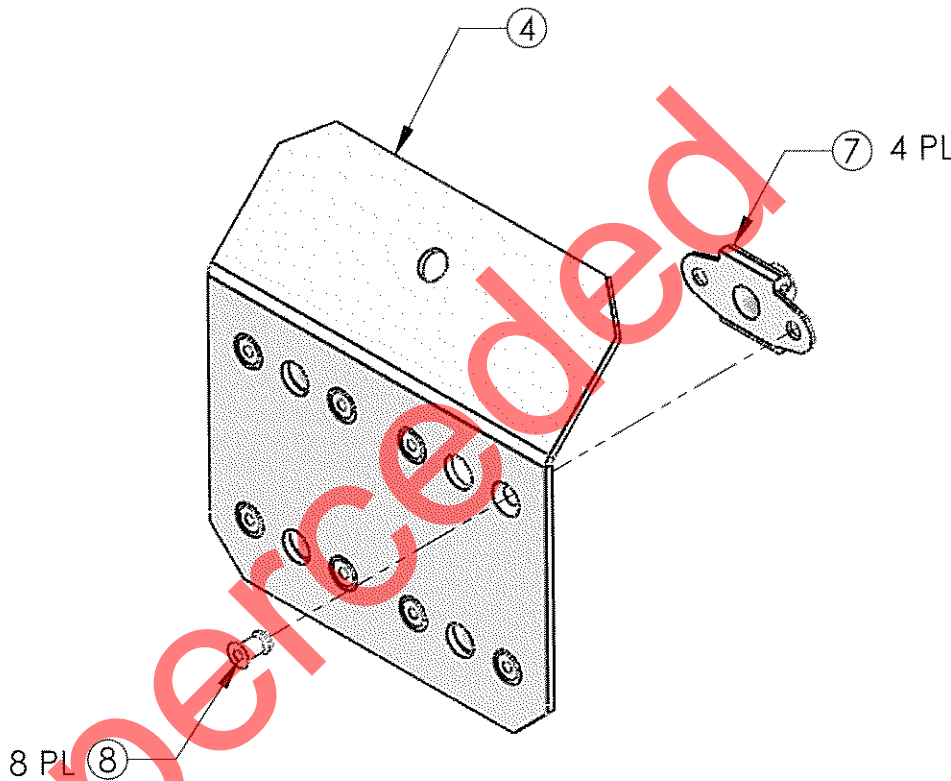
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR1		N/C
N/C	INITIAL RELEASE	06/10/09	P. BRAVO
A	INCORPORATED ECH 04043	08/09/13	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 AMS-QQ-A-250/12
- 2 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4
- 3 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
4. DEBURR AND BREAK ALL SHARP EDGES
5. IDENTIFY IAW MPP-120



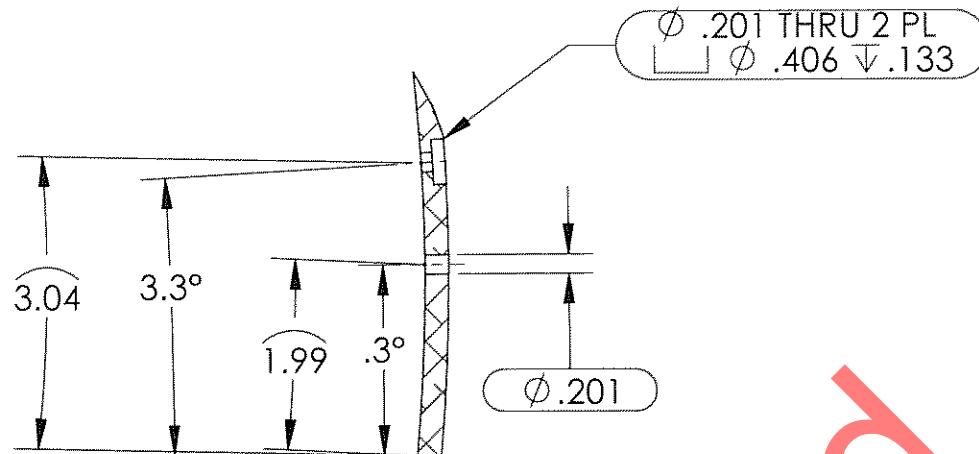
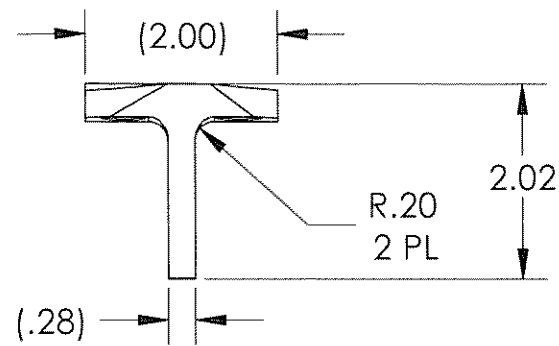
647.1601 SHOWN EXPLODED



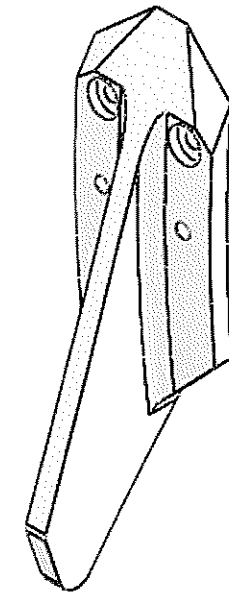
647.1602 SHOWN EXPLODED

		3	9	601.2989	SCREW	MS27039-0812	
	8		8	601.2980	NUTPLATE RIVET	CCR264SS-3-04	
		4		601.1900	NUTPLATE	MS21059-3	
		3	6	601.2973	LOCKNUT	MS21042-08	
		6	5	601.2764	WASHER	NAS1149FN832P	
	1		4	647.1613	DOUBLER	2	3
		2	3	647.1612	SPLICE PLATE	2	3
		1	2	647.1611	WIPER DEFLECTOR, AFT	1	3
			1	647.1610	WIPER DEFLECTOR, FWD	1	3
	X			647.1602	DOUBLER ASSY		
		X		647.1601	WIPER DEFLECTOR ASSY, AFT		
	.1602	.1601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY				PARTS LIST			
NEXT ASSY (S)				ORIGINAL DATE (MO-DA-YR) 06-10-09			
647.1300				DRAWN BY J. GARDNER			
				CHECKER P. BRAVO			
				DRAWING APPROVAL P. BRAVO			
				CONTRACT No.			
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
				APICAL INDUSTRIES			
				2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
				WIPER DEFLECTOR ASSY			
				SIZE B CAGE CODE 07MZ6 DWG. NO. 647.1600 REV. A			
				SCALE NONE SHEET 1 OF 6			

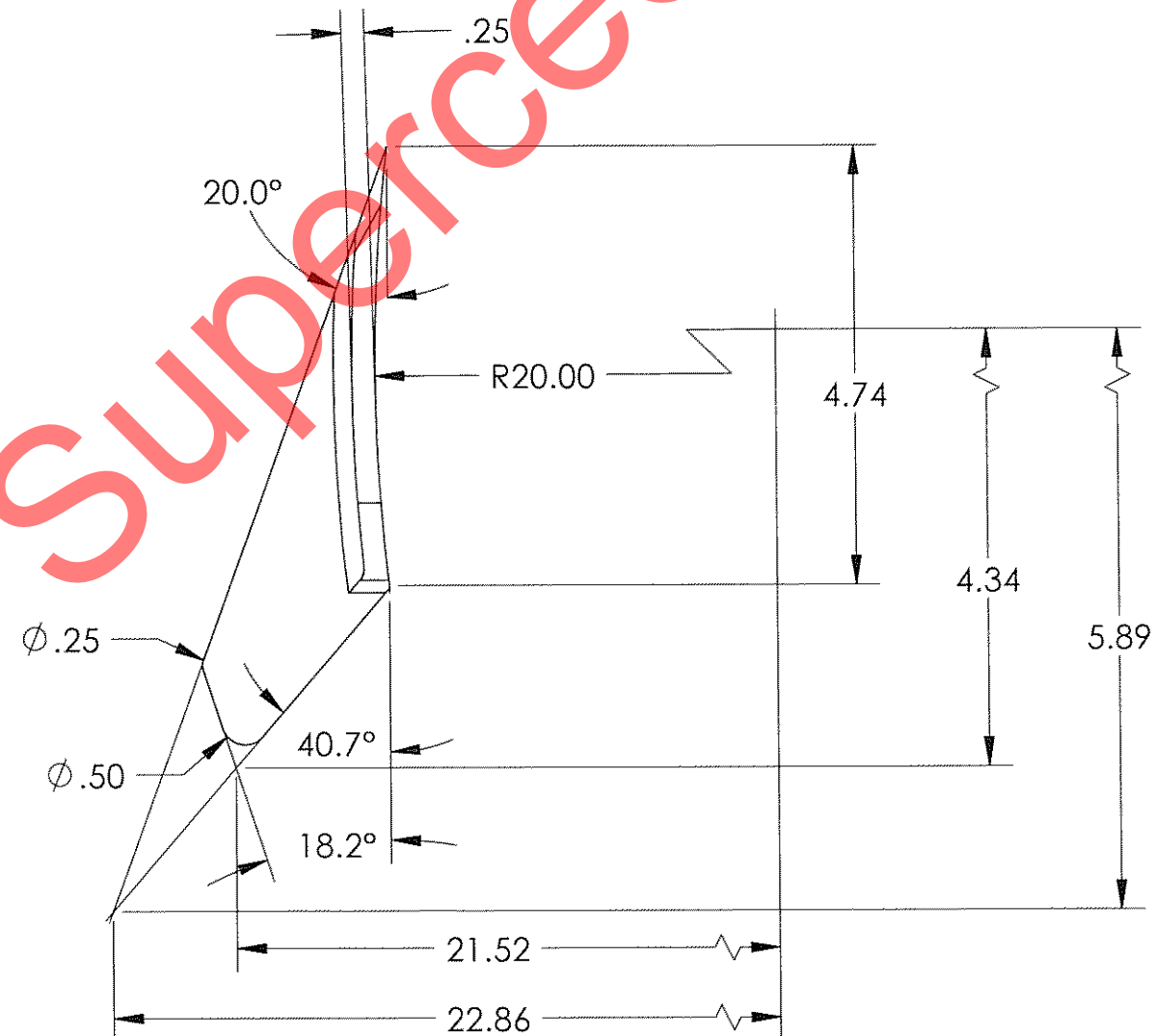
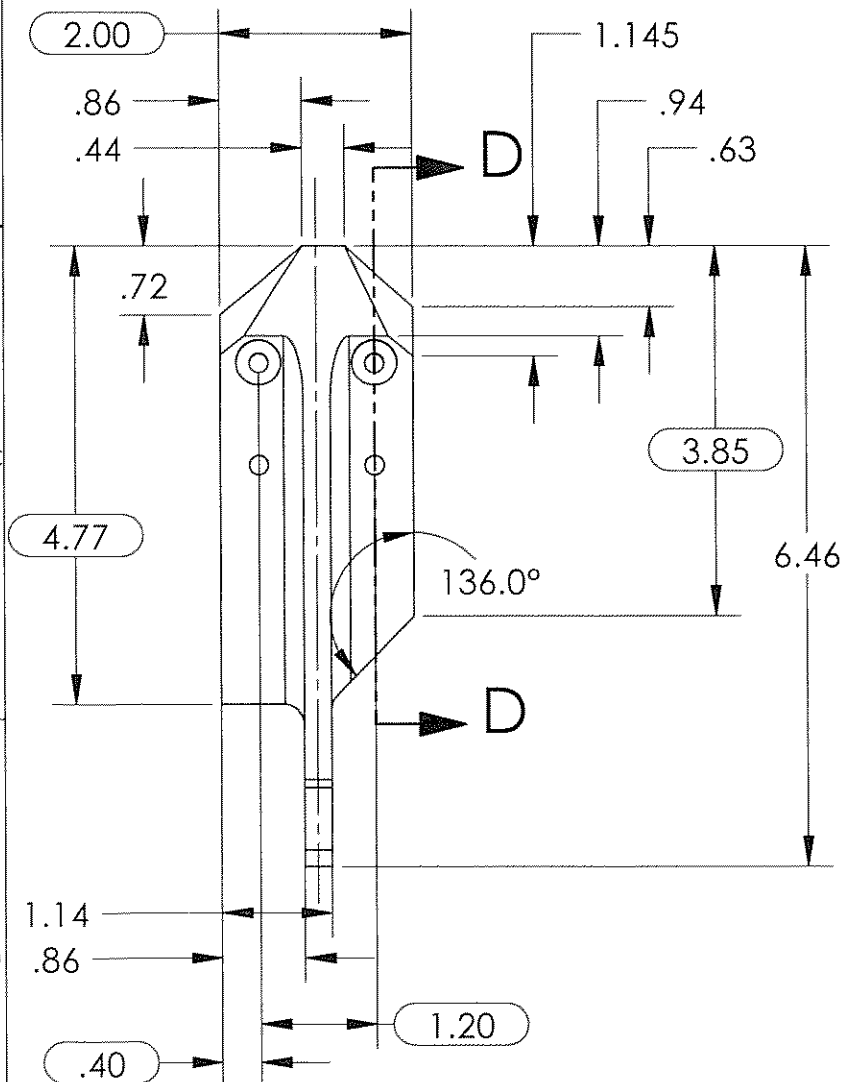
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SECTION D-D

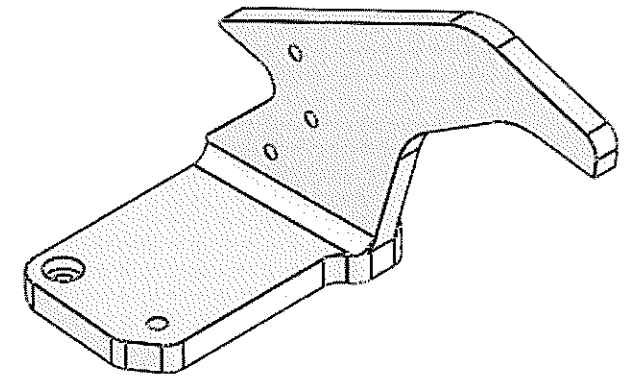
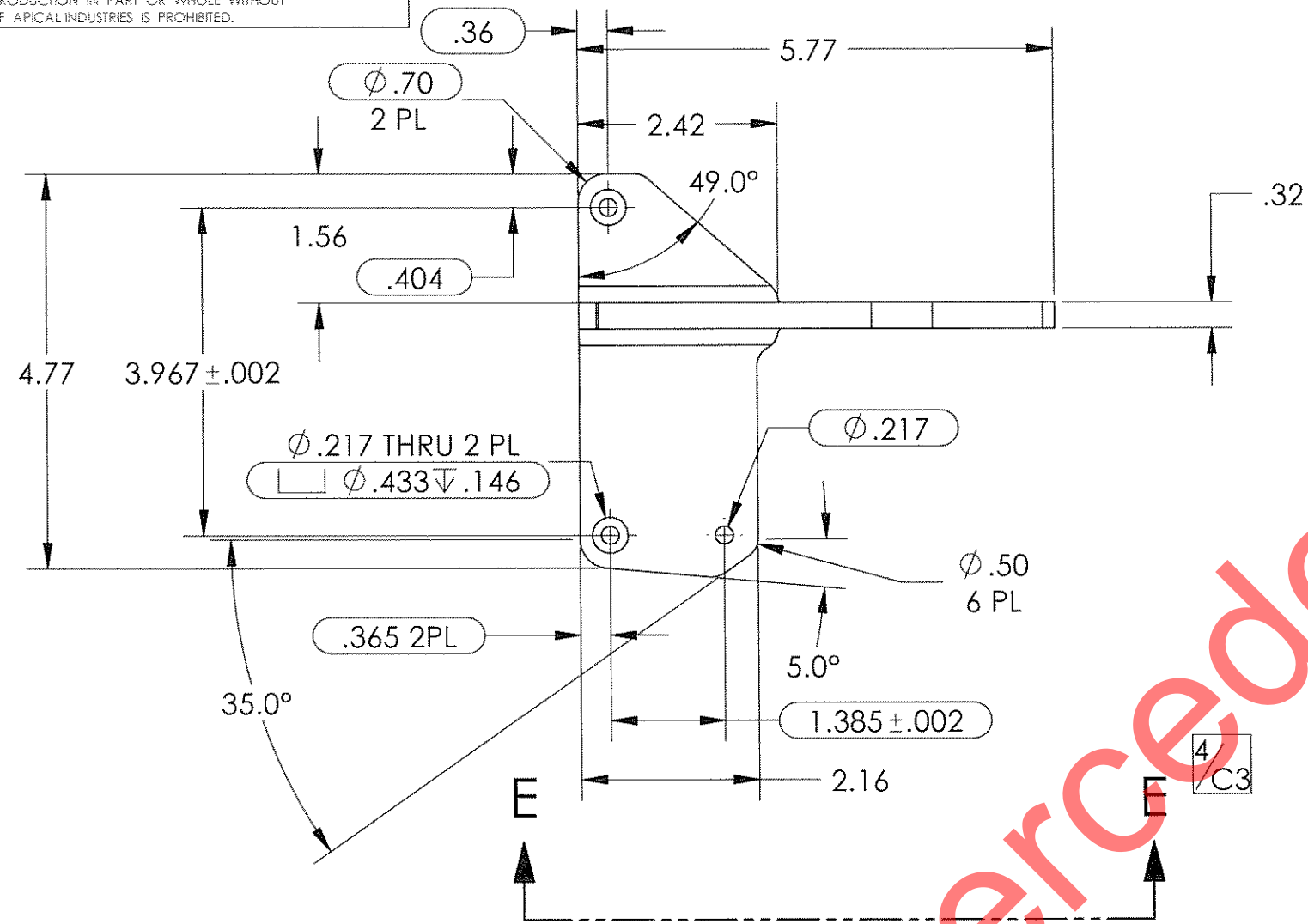


647.1610

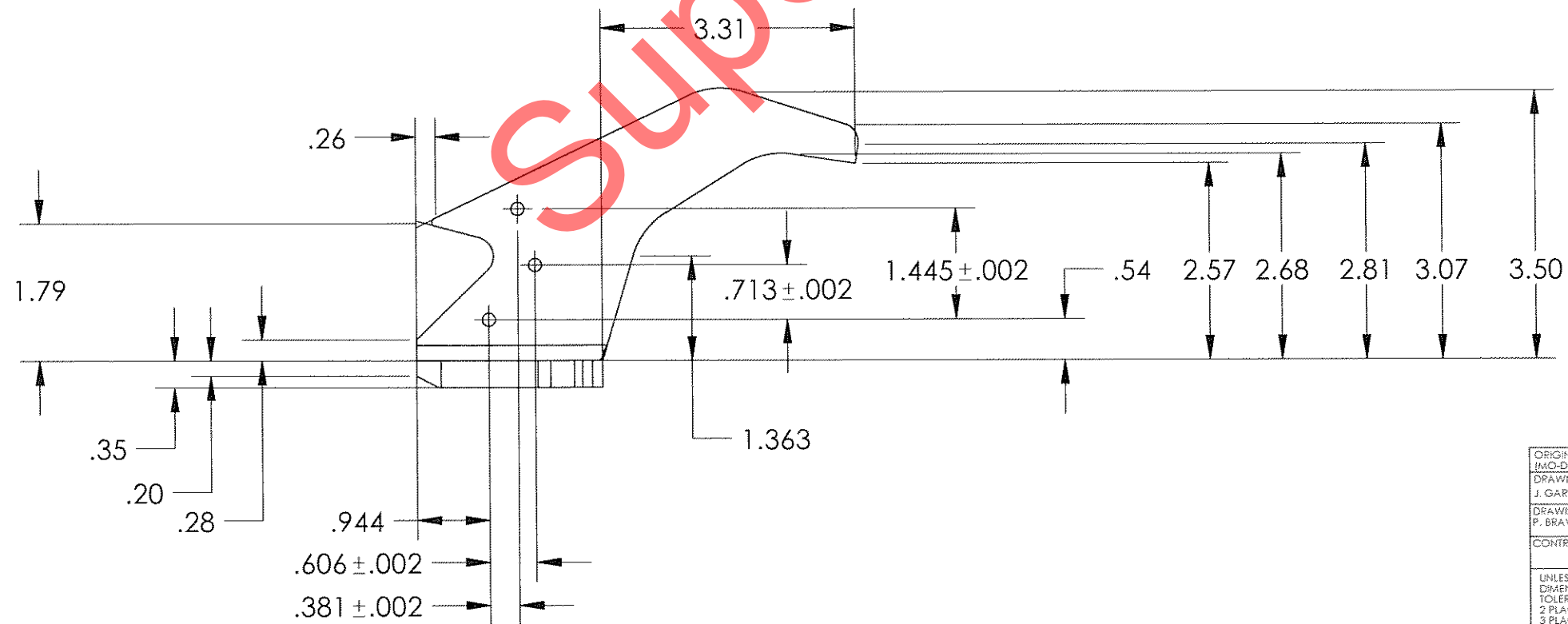


ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY J. GARDINER		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		WIPER DEFLECTOR ASSY	
DRAWING APPROVAL P. BRAVO			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. A
		CAGE CODE 07MZ6	DWG. NO. 647.1600
		SCALE: NONE	SHEET 2 OF 6

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647.1611



ORIGINAL DATE
IMO-DA-YR 05-10-09
DRAWN BY J. GARDINER
CHECKER P. BRAVO
DRAWING APPROVAL
P. BRAVO
CONTRACT No.

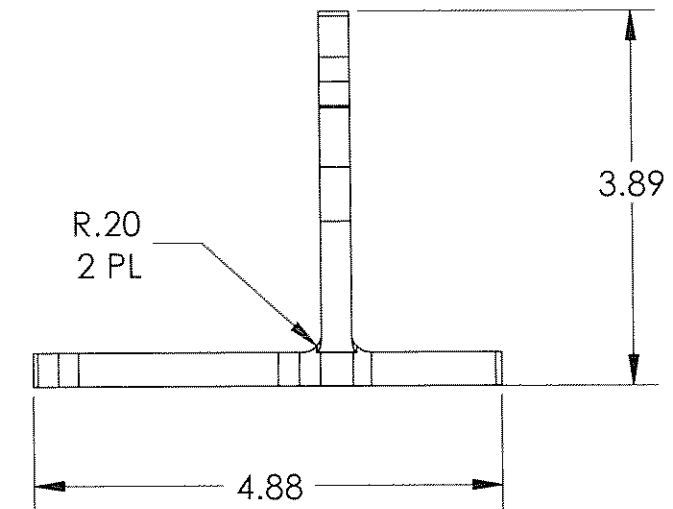
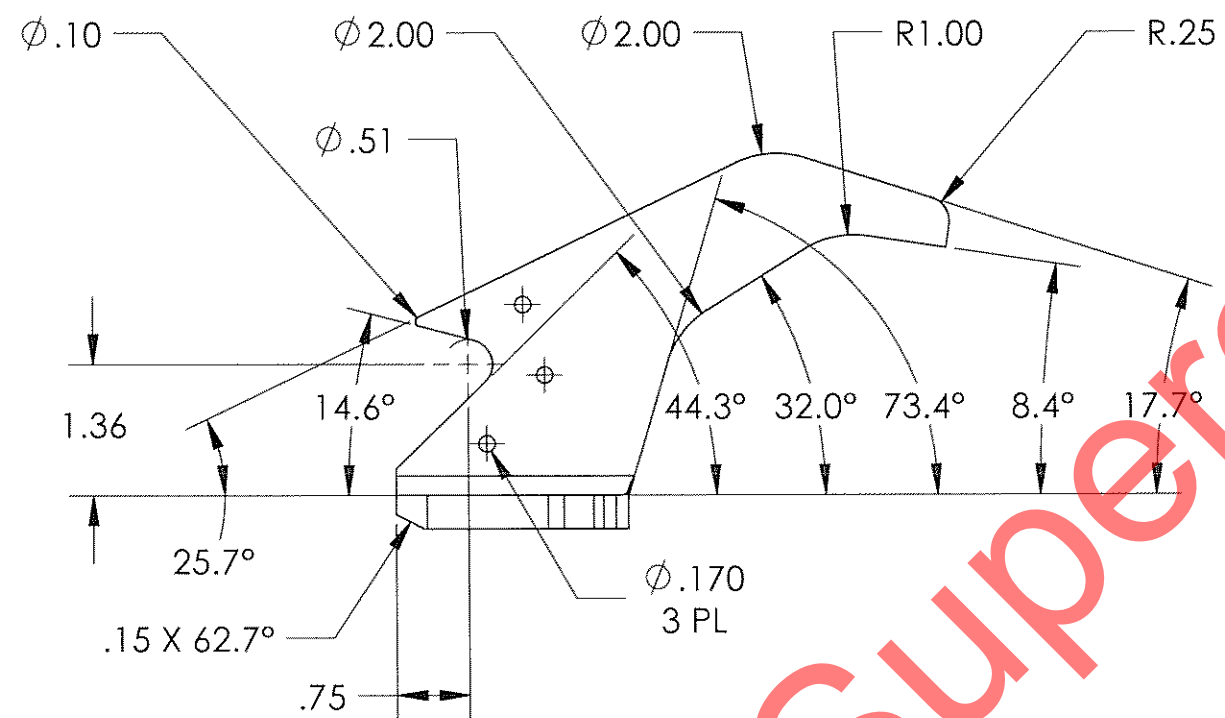
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ± .01
3 PLACE DECIMALS ± .005
ANGLES ± 5°

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

WIPER DEFLECTOR ASSY

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1600	REV. A
SCALE: NONE			SHEET 3 OF 6

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SECTION E-E $\frac{3}{4}$ B4

ORIGINAL DATE
[MO-DA-YR] 06-10-09
DRAWN BY J. GARDINER
CHECKER P. BRAVO
DRAWING APPROVAL
P. BRAVO
CONTRACT NO.

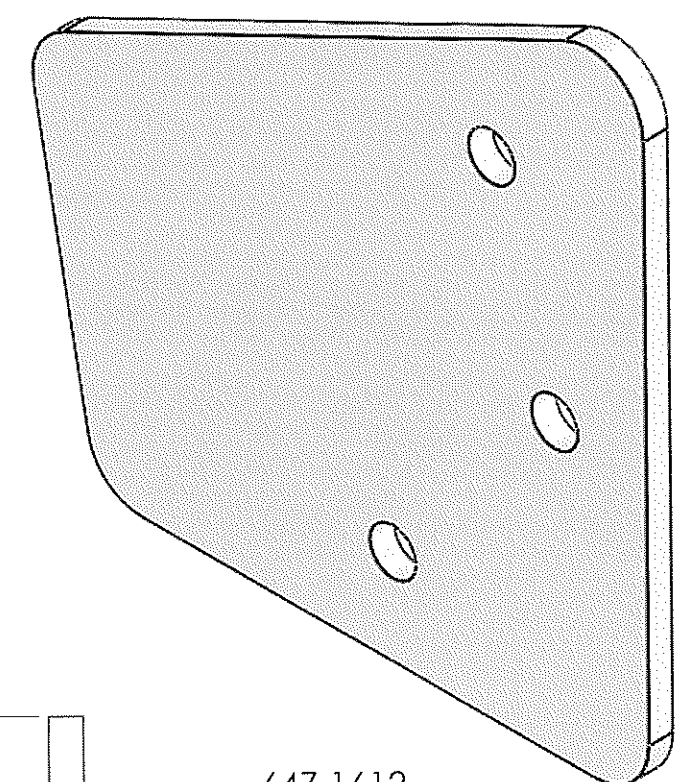
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm 5^\circ$

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

WIPER DEFLECTOR ASSY

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1600	REV. A
SCALE: NONE			SHEET 4 OF 6

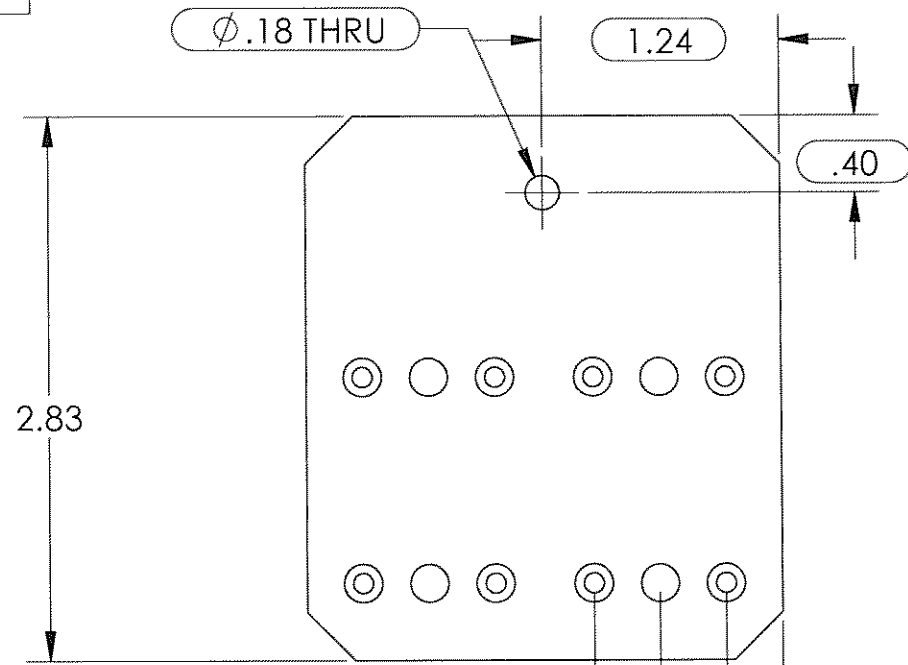
A vertical number line with points A, B, C, and D. Point A is at the top, followed by B, then C, and D at the bottom. A horizontal tick mark is located between B and C, with an arrow pointing to it from the left.



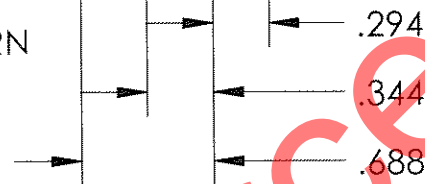
ORIGINAL DATE (MO-DA-YR)	06-10-09	<h1>APICAL INDUSTRIES</h1> <p>2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300</p>										
DRAWN BY	CHECKER											
J. GARDNER	P. BRAVO											
DRAWING APPROVAL	P. BRAVO	<h2>WIPER DEFLECTOR ASSY</h2>										
CONTRACT NO.												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°	<table border="1"> <tr> <td>SIZE</td> <td>CAGE CODE</td> <td>DWG. NO.</td> <td>REV.</td> </tr> <tr> <td>B</td> <td>07MZ6</td> <td>647.1600</td> <td>A</td> </tr> </table>	SIZE	CAGE CODE	DWG. NO.	REV.	B	07MZ6	647.1600	A	<table border="1"> <tr> <td>SCALE: NONE</td> <td>SHEET 5 OF 6</td> </tr> </table>	SCALE: NONE	SHEET 5 OF 6
SIZE	CAGE CODE	DWG. NO.	REV.									
B	07MZ6	647.1600	A									
SCALE: NONE	SHEET 5 OF 6											

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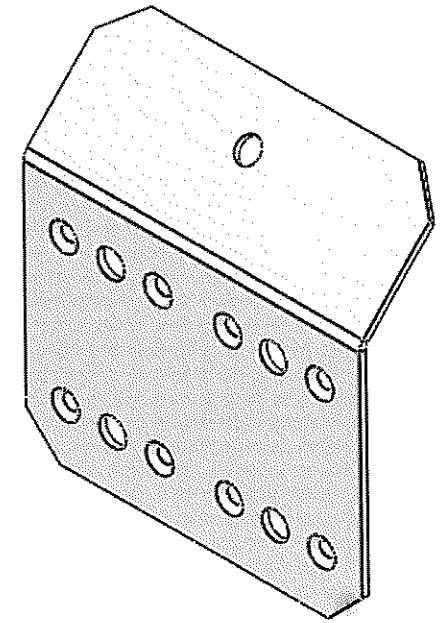
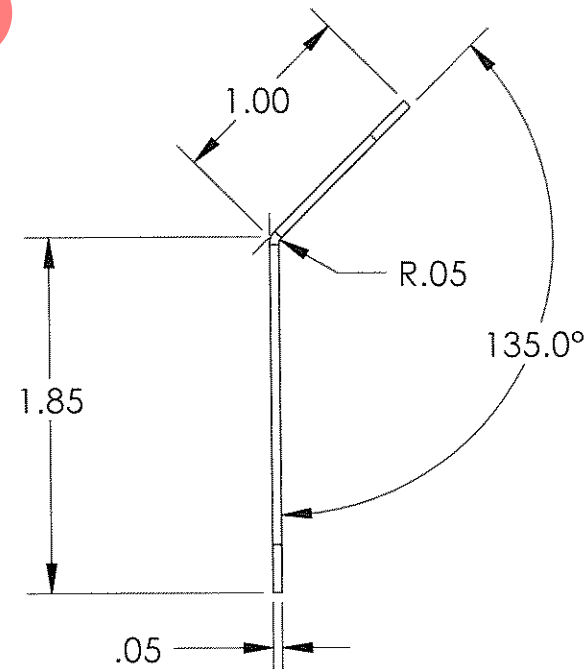
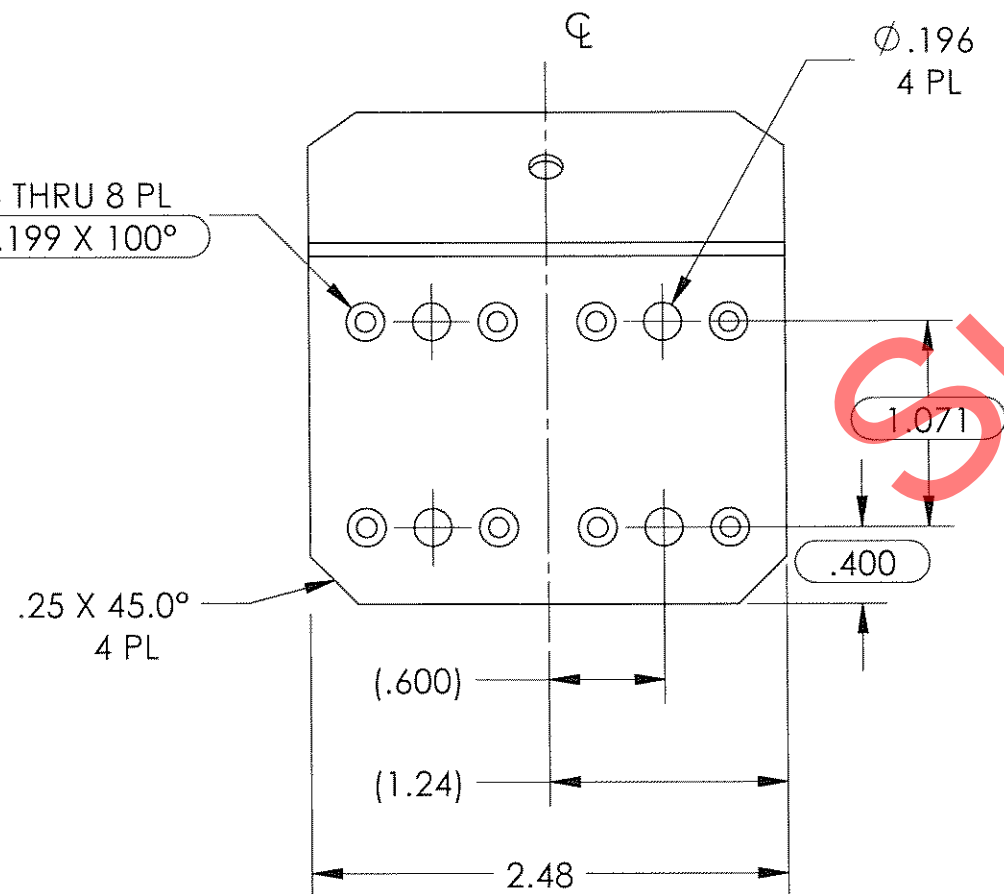
A
B
C
D



FLAT PATTERN



$\phi .104$ THRU 8 PL
 $\checkmark \phi .199 \times 100^\circ$



647.1613

ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY J. GARDNER		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		WIPER DEFLECTOR ASSY	
DRAWING APPROVAL P. BRAVO			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE B	REV. A
		CAGE CODE 07M26	DWG. NO. 647.1600
		SCALE: NONE	SHEET 6 OF 6